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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

SEPTEMBER, 1930

☞Send no remittances to the U. S. Department of Agriculture

A copy of any of the general publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts. Free distribution of periodicals is restricted.

After the department's supply is exhausted, publications may still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices stated herein.

☞Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Goose raising. Alfred R. Lee, Bureau of Animal Industry. 14 p., figs. 10. (Farmers' Bulletin 767 F., slightly revised.) Price 5¢.

Cattle-fever ticks and methods of eradication. W. P. Ellenberger and Robert M. Chapin, Bureau of Animal Industry. 27 p., figs. 9. (Farmers' Bulletin 1057 F., revised.) Price 5¢.

Greenhouse tomatoes. James H. Beattie, Bureau of Plant Industry. 25 p., figs. 7. (Farmers' Bulletin 1431 F., revised.) Price 5¢.

Broomcorn growing and handling. John H. Martin, Bureau of Plant Industry, and R. S. Washburn, Bureau of Agricultural Economics. 37 p., figs. 24. (Farmers' Bulletin 1631 F.) Price 10¢.

This bulletin is based upon (1) records of the costs and practices in growing broomcorn obtained from 190 farmers in Illinois, Kansas, and Oklahoma in 1928 and (2) experiments with broomcorn on several field stations of the United States Department of Agriculture in Oklahoma, Texas, New Mexico, and Kansas for the last 20 years.

Surface irrigation in the Eastern States. F. E. Staebner, Bureau of Public Roads. 38 p., figs. 25. (Farmers' Bulletin 1635 F.) Price 10¢.

Explains surface irrigation, which is simpler and less expensive than either spray or subirrigation. The information should be helpful to eastern farmers whose crops have suffered from drought.

Game laws for the season 1930–31. Frank L. Earnshaw and Frank G. Grimes, Bureau of Biological Survey. 46 p. (Farmers' Bulletin 1647 F.) Price 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins, except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Construction and packing of an egg case. George H. Powers, Bureau of Agricultural Economics. 8 p., figs. 8. (Leaflet No. 64 L.) Price 5¢.

Contains instructions for making the form for constructing a standard egg case and also tells how to pack eggs in a standard case.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Toxic effect of St. Johnswort (Hypericum perforatum) on cattle and sheep. C. Dwight Marsh and A. B. Clawson, Bureau of Animal Industry. 24 p., figs. 4. (Technical Bulletin 202 T.) Price 5¢.

Although the plant is evidently toxic, the experiments described in this bulletin show that deaths rarely occur. Ordinarily the poisonous effects are not very pronounced, and when so, only after a large dosage. Dermatitis was produced in only a few cases and in those was slight.

The determination of hour control for adequate fire protection in the major cover types of the California pine region. S. B. Show and E. I. Kotok, Forest Service. 47 p., figs. 32. (Technical Bulletin 209 T.) Price 10¢.

For foresters and students. Explains the distribution of resources in men, money, apparatus, and transportation which affords best fire protection for the national forests. The analyses are the result of experiences with 4,283 fires in California.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Growing trees for forest planting in Montana and Idaho. D. S. Olson. Forest Service. 92 p., figs. 48. (Circular 120 C.) Price 25¢.

Prepared for the purpose of giving information essential to the selection and development of nursery sites. Explains such important phases of the work as soil management, arrangement and care of seed beds, transplanting, and preparation of stock for shipment.

Cooperative marketing and purchasing, 1920–1930. R. H. Elsworth, Bureau of Agricultural Economics. 56 p., figs. 16. (Circular 121 C.) Price 10¢.

Includes data based on a count of the active farmers' business associations in 1930, with estimates as to the membership in 1928 for each of the States in the various commodity groups and estimates on the same basis for the business transactions for the 1927–28 marketing season.

Experiments in the use of fertilizers in growing forest planting material at the Savenac nursery. W. G. Wahlenberg, Forest Service. 38 p., figs. 11. (Circular 125 C.) Price 10¢.

The experiments described fall into three separate groups, each emphasizing a fairly distinct aim: (1) Improvement of the planting stock; (2) stimulation of the rate of seedling growth; and (3) maintenance of soil productivity. This publication describes the results of two years' preliminary experiments.

Pathological conditions ascribed to nematodes in poultry. Eloise B. Cram, Bureau of Animal Industry. 11 p., figs. 6. (Circular 126 C.) Price 5¢.

Intended for zoologists, poultry specialists, and veterinarians who deal with parasitic diseases of poultry. The conditions ascribed to nematodes are classified according to clinical symptoms and pathological changes of affected birds.

Grain drying at a country elevator. W. M. Hurst, Bureau of Public Roads, and R. H. Black, Bureau of Agricultural Economics. 15 p., figs. 4. (Circular 127 C.) Price 5¢.

Information based upon investigations conducted by the department during the 1929 harvest season to determine some of the economic and mechanical factors involved in the artificial drying of grain with a small-sized commercial drier located at a country elevator. Data were secured regarding the power, labor, and fuel requirements, and the market values of the grain before and after drying.

Handling livestock during drought. E. W. Sheets and William Jackson, Bureau of Animal Industry. 12 p. (Circular 140 C.) Price 5¢.

Intended for livestock owners in drought-stricken areas who may need special information on feeding and handling animals under such adverse conditions. Discusses feed and water requirements and methods of handling livestock most profitably after, as well as during, periods of drought. It also suggests means of reducing, by suitable preparations, losses from future droughts.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

The results of physical tests of road-building rock. D. O. Woolf, Bureau of Public Roads. 148 p. (Miscellaneous Publication 76 MP.) Price 25¢.

Lists the results of tests of some 6,000 samples of ledge rock from practically all parts of the country used in the construction of modern highways. Contains a short discourse on the physical properties of road-building rock, the types of rock tested, and the methods employed.

American medicinal plants of commercial importance. A. F. Sievers, Bureau of Plant Industry. 74 p., 128 figs. (Miscellaneous Publication 77 MP.) Price 30¢.

The purpose of this publication is to assist those interested in collecting medicinal plants to identify such plants and to furnish other useful information in connection with the work.

Summary of State and territorial plant quarantines affecting interstate shipments. Maude A. Thompson, Plant Quarantine and Control Administration. 128 p. (Miscellaneous Publication 80 MP.) Price 20¢.

Prepared for the use of nurserymen, State quarantine officials, and others concerned in the observance of such regulations.

Directory of field activities of the Bureau of Entomology. 56 p., 1 map. (Miscellaneous Publication 83 MP.) Price 10¢.

A complete list of the field laboratories of the Bureau of Entomology, giving detailed directions for reaching each laboratory, the post-office address of the person in charge, and a brief statement concerning the investigations carried on.

Profits from farm woods. W. R. Mattoon, Forest Service. 18 p., figs. 12. (Miscellaneous Publication 87 MP.) Price 5¢.

Contains stories believed to be typical of the results and money returns possible to farmers under average conditions in the various regions. Although estimates of the amount of timber that can be grown and of its money value are helpful, these specific examples of good practice in cutting and marketing products from the farm woods are far more informative and valuable.

The United States Department of Agriculture: Its growth, structure, and functions. M. S. Eisenhower and A. P. Chew, Office of Information. 147 p. (Miscellaneous Publication 88 MP.) Price 25¢.

Explains the scope and purpose of the research, regulatory, service, educational, and other work performed by the department. It charts the various bureaus and offices so that the reader may tell at a glance the functions of each unit. A brief history of the department is included.

Feeding wheat to livestock. Prepared by Bureaus of Agricultural Economics, Animal Industry, and Dairy Industry. 6 p. (Miscellaneous Publication 96 MP.) Price 5¢.

A statement of the value of wheat as a feed and a comparison of the prices of wheat, corn, and other grains in relation to their feeding values, in order to help farmers to decide when it is profitable to use wheat as a livestock feed.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Indiana, Hancock County. (1925, No. 23.) Price, 20¢.

Nebraska, Keith County. (1926, No. 14.) Price, 20¢.

Wisconsin, Sauk County. (1925, No. 29.) Price, 25¢.

Wyoming, The Wheatland Area. (1926, No. 13.) Price, 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Index to service and regulatory announcements, 1929. Plant Quarantine and Control Administration. 4 p. (S. R. A. P. Q. C. A. Index, 1929.) Price 5¢.

Mediterranean fruit-fly quarantine. (Revision of Regulations.) 9 p. (P. Q. C. A.—Q. 68.) Price 5¢.

Migratory-bird treaty-act regulations and text of Federal laws relating to game and birds. 18 p. (S. R. A.—B. S. 72.) Price, 5¢.

Notices of judgment under the food and drugs act. N. J. F. D. 16926–16950, pp. 583–603.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 14, No. 9. September 1, 1930. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.[1]

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Climatological data. Vol. 17, No. 5. May, 1930.

In 42 sections, containing weather statistics for 42 separate sections, each corresponding, as a rule, to a State. Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or $4 a year.[1] Not for general distribution.

[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Crops and markets. Vol. 7, No. 8. August, 1930. Price, 5¢ a copy; 60¢ a year, domestic; 85¢ a year, foreign.[1]

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, $3.00 a year; daily, including Sundays and holidays, 30¢ a month, $3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, $7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, $2.40 a year.[1]

Experiment station record. Vol. 63, No. 2, August, 1930; No. 3, August, 1930, abstract number. Single numbers for sale only. Price, 10¢.[1]

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; $1.25 a volume, foreign.

Extension service review. Vol. 1, No. 5, September, 1930. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.[1]

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, 20¢ a copy; $4 a year, domestic; $5.25 a year foreign.[1] Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

——— Vol. 40, Jan. 1–June 15, 1930. Index. Price, 5¢.

——— Vol. 41, No. 4. August 15, 1930. Illus.

CONTENTS:

Corticium centrifugum, a heterothallic pathogene of apples. (G–731) L. F. Butler.
Some conditions affecting the storage of peppers. (G–730) John I. Lauritzen and R. C. Wright.
Experimental studies on the growth and development of strawberry plants. (G–732) George M. Darrow.
A study of some unproductive cherry trees in California. (G–734) C. F. Kinman.
The effect of hydrogen-ion concentration on the toxicity of nicotine, pyridine, and methylpyrrolidine to mosquito larvae. (K–212) Charles H. Richardson and Harold H. Shepard.

——— Vol. 41, No. 5. September 1, 1930. Illus.

CONTENTS:

Effect of certain climatic factors on the diameter growth of longleaf pine in western Florida. (F–51). J. Elton Lodewick.
Parasites of the Oriental peach moth, *Laspeyresia molesta* Busck, in North America (K–213). G. J. Haeussler.
Short branch, another character of cotton showing monohybrid inheritance (G–740). Thomas H. Kearney.
Relation between moisture content of the wood and blue stain in loblolly pine (G–741). Reginald H. Colley and Caroline T. Rumbold.
The adsorption of the anions of acid dyes by soil colloids (H–18). J. G. Smith and P. L. Gile.
The relative resistance of varieties and species of citrus to *Pythiacystis gummosis* and other bark diseases (Calif.–55). L. J. Klotz and H. S. Fawcett.

Monthly weather review. Vol. 58, No. 5. May; No. 6, June, 1930. Illus. Price, 15¢ a copy; $1.50 a year, domestic; $2.25 a year, foreign.[1] Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretive summary, and (3) climatological tables.

Public roads. Price, 10¢ a copy; $1 a year, domestic; $1.50 a year foreign.[1]

——— Vol. 11, No. 6. August, 1930. Illus.

CONTENTS:

Freezing and thawing of soils as factors in the destruction of road pavements.

The official record. Vol. 9, Nos. 36–39. September 4, 11, 18, 25, 1930. Price, 5¢ a copy; 50¢ a year, domestic; $1.10 a year, foreign.[1]

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Weekly weather and crop bulletin. Nos. 35–38. September 2, 9, 16, 23. Price, 50¢ a year, domestic; $1 a year, foreign.[1]

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

* U. S. GOVERNMENT PRINTING OFFICE: 1930